Headlamps LED with Matrix Beam , (8G4)

From September 2014



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Vehicle Electrical System Control Module



ST2 Fuse Panel 2

ST3 Fuse Panel 3

SB9 Fuse 9 (On Fuse Panel B)

SB10 Fuse 10 (On Fuse Panel B)

SB11 Fuse 11 (On Fuse Panel B)

SB14 Fuse 14 (On Fuse Panel B)

T17c 17-Pin Connector, Brown

T17d 17-Pin Connector, Black

T17e 17-Pin Connector, Red

44 Ground Connection on A-Pillar, Lower Left

369 Ground Connection 4 (in Main Wiring Harness)

Refer to Applicable Wiring Diagram for Fuse Positions

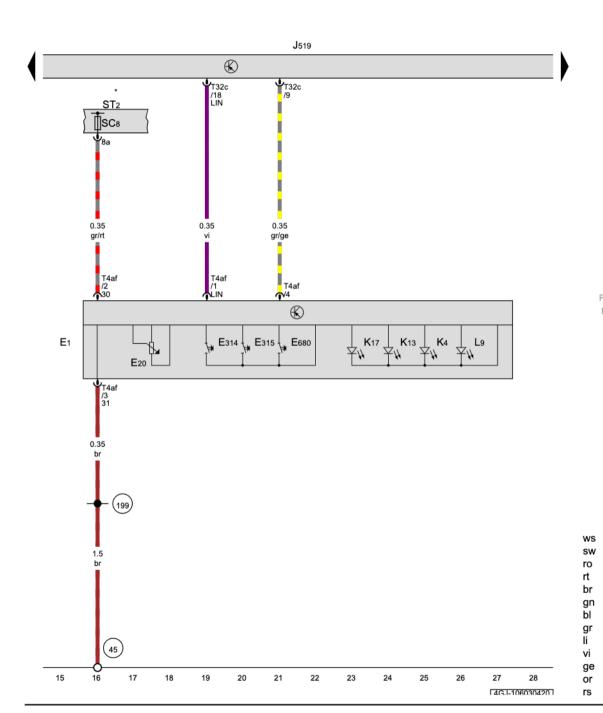


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4G.I-106020420

Wiring Diagram



Light Switch, Instrument Panel and Switch Illumination Dimmer Switch, Rear Fog Lamp Button, Fog Lamp Button, Night Vision System Button, Vehicle Electrical System Control Module

- E1 Light Switch
- E20 Instrument Panel and Switch Illumination Dimmer Switch
- E314 Rear Fog Lamp Button
- E315 Fog Lamp Button
- E680 Night Vision System Button
- J519 Vehicle Electrical System Control Module
 - K4 Position Lamp Indicator Lamp
- K13 Rear Fog Lamp Indicator Lamp
- K17 Fog Lamp Indicator Lamp
- L9 Headlamp Switch Illumination Bulb
- ST2 Fuse Panel 2

= white = black = red = red = brown = green = blue = grey = lilac

= lilac = yellow

= pink

= orange

- SC8 Fuse 8 (On Fuse Panel C)
- T4af 4-Pin Connector, Black
- T32c 32-Pin Connector
- 45 Ground Connection Behind Instrument Panel, Center

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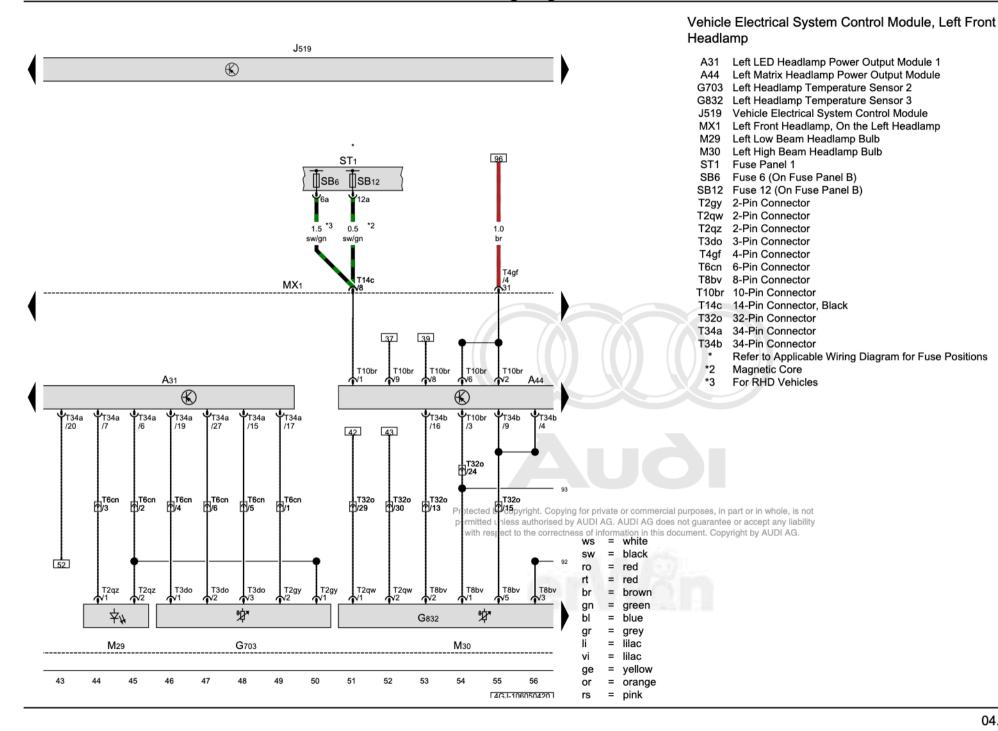
* Refer to Applicable Wiring Diagram for Fuse Positions

Wiring Diagram

J519 **(K) ⊎**_{T17c} **₽**_{T17c} **∳**T17c T17c /10 T17c /11 **₽**T17c 0.35 237 0.35 0.35 0.35 0.35 1.0 1.0 0.35 0.35 0.5 br ge/sw or/br ws/ge T14c T14c T14c T14c T14c T14c T14c T14c MX₁ T34a √32 T34a √2 T34a ₩31 ₩4 A31 **(K) Ч**Т34а **Ф**Т34а /30 T34a /13 T34a /14 ♥T34a /11 opying three terms to the control of Protected by c pyright. ss author permitted unle rectness of information in this document. Copyright by AUDI AG. with respect to the co = white = black = red = red T3dp T2ra V2 T5cd /2 T5cd V3 T5cd V4 T2ra T5cd V1 T5cd T3dq /2 T3dp T3dq = brown = green ♨ ♨ ♨ = blue = grey = lilac V407 M51 V48 V463 = lilac = yellow 32 37 39 = orange or 4G.I-106040420 rs = pink

Vehicle Electrical System Control Module, Left Front Headlamp

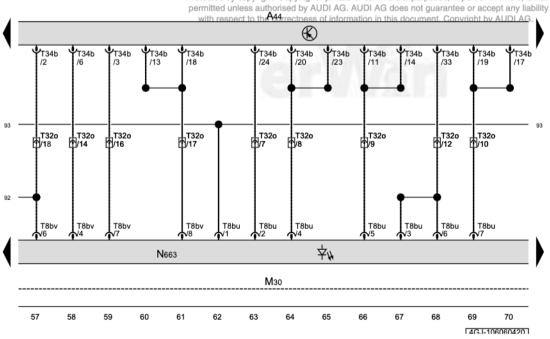
- A31 Left LED Headlamp Power Output Module 1 J519 Vehicle Electrical System Control Module
- MX1 Left Front Headlamp, On the Left Headlamp
- M51 Left Stationary Cornering Lamp
- T2ra 2-Pin Connector
- T3dp 3-Pin Connector
- T3dq 3-Pin Connector
- T5cd 5-Pin Connector
- T6ax 6-Pin Connector
- T14c 14-Pin Connector, Black
- T17c 17-Pin Connector, Brown
- T34a 34-Pin Connector
- V48 Left Headlamp Range Control Adjustment Motor
- V407 Left Headlamp Fan
- V463 Left Headlamp Fan 2
 - Data Bus Wire (CAN Bus)



J519 **(K)**

MX₁

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Vehicle Electrical System Control Module, Left Front Headlamp

A44 Left Matrix Headlamp Power Output Module J519 Vehicle Electrical System Control Module

MX1 Left Front Headlamp, On the Left Headlamp

Left High Beam Headlamp Bulb

N663 Current Coding Resistance 2 for Left Headlamp

T8bu 8-Pin Connector

T8bv 8-Pin Connector

T32o 32-Pin Connector

T34b 34-Pin Connector

= white = black

= red = red

= brown = green

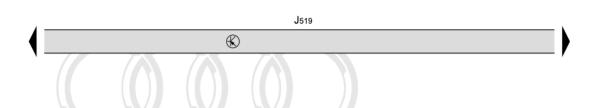
= blue = grey = lilac

= lilac = yellow = orange

= pink

or

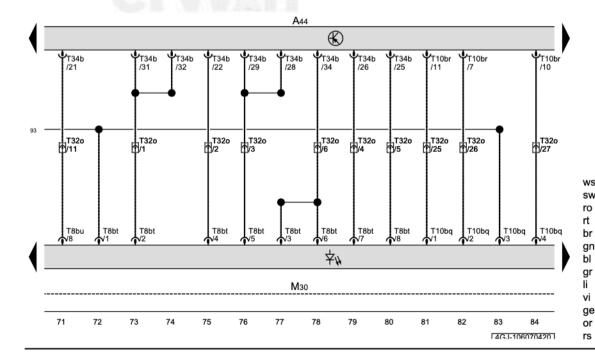
rs



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Vehicle Electrical System Control Module, Left Front Headlamp

A44 Left Matrix Headlamp Power Output Module J519 Vehicle Electrical System Control Module

MX1 Left Front Headlamp, On the Left Headlamp

M30 Left High Beam Headlamp Bulb

T8bt 8-Pin Connector

T8bu 8-Pin Connector

T10bq 10-Pin Connector

T10br 10-Pin Connector T32o 32-Pin Connector

T34b 34-Pin Connector

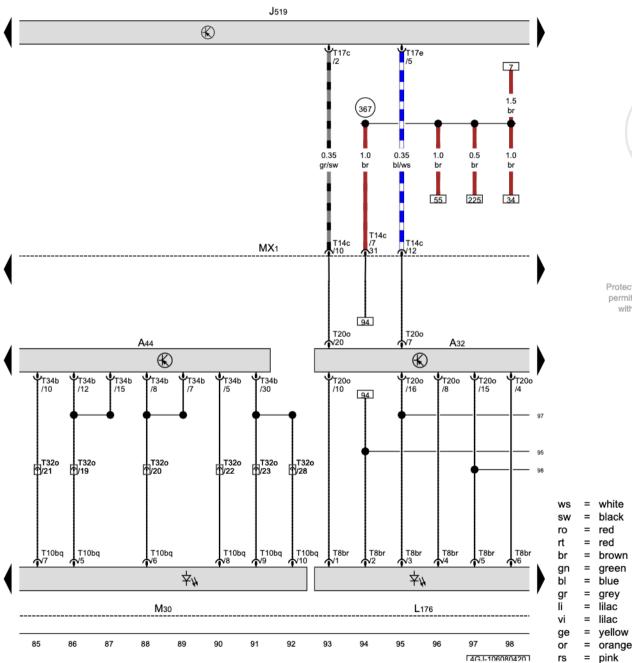
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= brown = green = blue = grey = lilac

= lilac = yellow

= pink

= orange

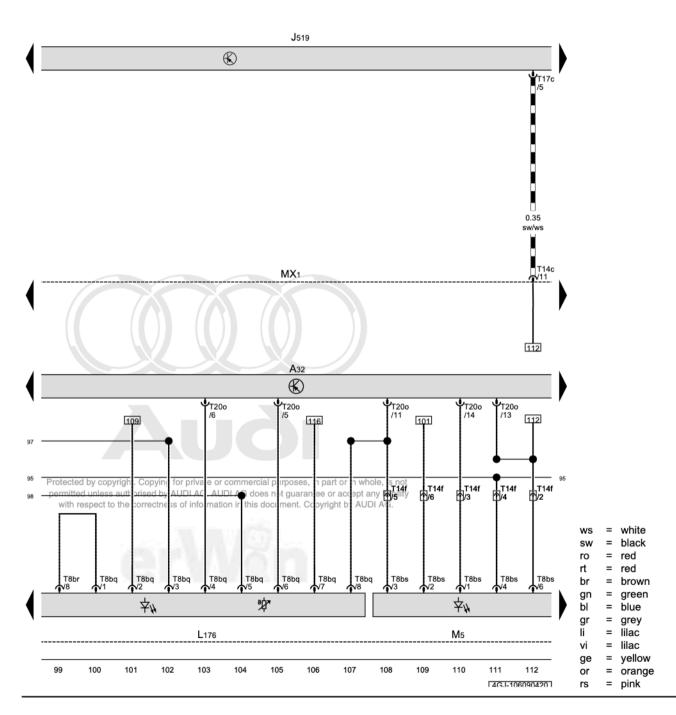


Vehicle Electrical System Control Module, Left Front Headlamp

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A32 Left LED Headlamp Power Output Module 2
A44 Left Matrix Headlamp Power Output Module
J519 Vehicle Electrical System Control Module
L176 Left Daytime Running Lamp and Position Lamp LED Module
MX1 Left Front Headlamp, On the Left Headlamp
M30 Left High Beam Headlamp Bulb
T8br 8-Pin Connector
T10bq 10-Pin Connector
T14c 17-Pin Connector, Black
T17c 17-Pin Connector, Brown
T17e 17-Pin Connector, Red
T200 20-Pin Connector
T320 32-Pin Connector
T34b 34-Pin Connector
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Ground Connection 2 (in Main Wiring Harness)

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Vehicle Electrical System Control Module, Left Front Headlamp

- A32 Left LED Headlamp Power Output Module 2
- J519 Vehicle Electrical System Control Module
- L176 Left Daytime Running Lamp and Position Lamp LED Module
- MX1 Left Front Headlamp, On the Left Headlamp
- M5 Left Front Turn Signal Bulb
- T8bq 8-Pin Connector
- T8br 8-Pin Connector
- T8bs 8-Pin Connector
- T14c 14-Pin Connector, Black
- T14f 14-Pin Connector
- T17c 17-Pin Connector, Brown
- T20o 20-Pin Connector

= white = black = red = red

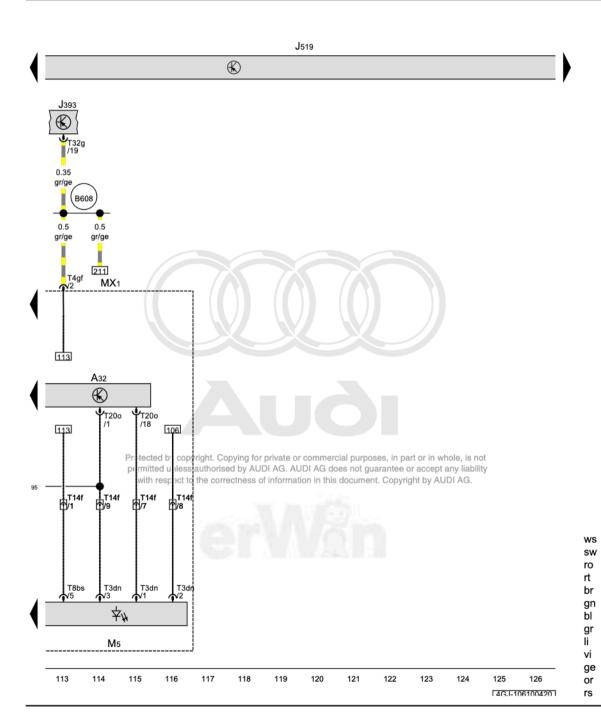
= brown = green

bluegreylilac

= lilac = yellow

= pink

= orange



Vehicle Electrical System Control Module, Left Front Headlamp

A32 Left LED Headlamp Power Output Module 2
J393 Comfort System Central Control Module
J519 Vehicle Electrical System Control Module
MX1 Left Front Headlamp, On the Left Headlamp

M5 Left Front Turn Signal Bulb

T3dn 3-Pin Connector
T4gf 4-Pin Connector
T8bs 8-Pin Connector
T14f 14-Pin Connector
T20o 20-Pin Connector
T32g 32-Pin Connector

(B608) Connection 4 (in Interior Wiring Harness)

= white = black = red = red

= brown = green

bluegreylilac

= lilac = yellow

= pink

or

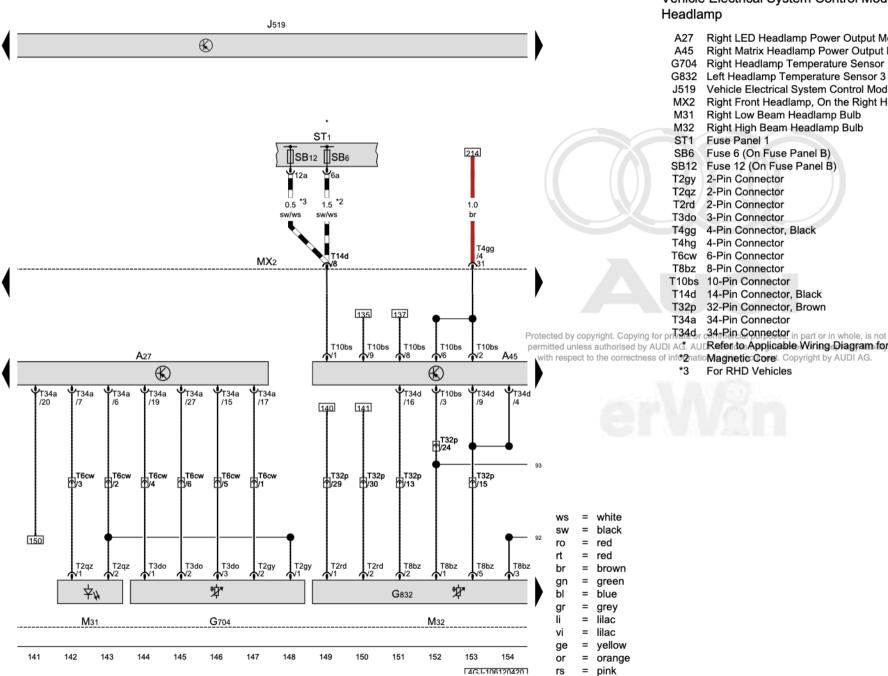
rs

= orange

J519 **(K) ⊎**_{T17e} **⊎**_{T17e} T17e /11 T17e /15 **₽**T17e **₽**T17e 0.35 sw 238 213 0.35 0.35 0.35 0.35 1.0 2.5 0.35 0.35 1.5 gn/ws or/sw or/br sw/gn T14d /5 T14d T14d T14d T14d T14d T14d T14d T14d MX_2 T34a T34a /32 T34a T34a T34a 151 150 **₼**/31 14 A27 tected by **(K)** permitted u with respect to T34a /14 **Ф**Т34а /33 ♥T34a /30 T34a /13 T34a /11 T6cv T6cv T6cv /2 T6cv T5cd /2 T5cd √3 T5cd V4 T3ds T3ds V1 T2ra V1 T2ra V2 T5cd V1 T3dq /2 T5cd T3dq ♨ ♨ ♨ 本″ V49 V408 V464 M51 128 129 130 131 132 133 134 135 136 137 138 139 140 4G.I-106110420

Vehicle Electrical System Control Module, Right Front Headlamp

A27 Right LED Headlamp Power Output Module 1 J519 Vehicle Electrical System Control Module MX2 Right Front Headlamp, On the Right Headlamp M51 Left Stationary Cornering Lamp T2ra 2-Pin Connector T3da 3-Pin Connector T3ds 3-Pin Connector T5cd 5-Pin Connector T6cv 6-Pin Connector T14d 14-Pin Connector, Black T17e 17-Pin Connector, Red T34a 34-Pin Connector V49 Right Headlamp Range Control Adjustment Motor V408 Right Headlamp Fan V464 Right Headlamp Fan 2 Data Bus Wire (CAN Bus)



Vehicle Electrical System Control Module, Right Front Headlamp

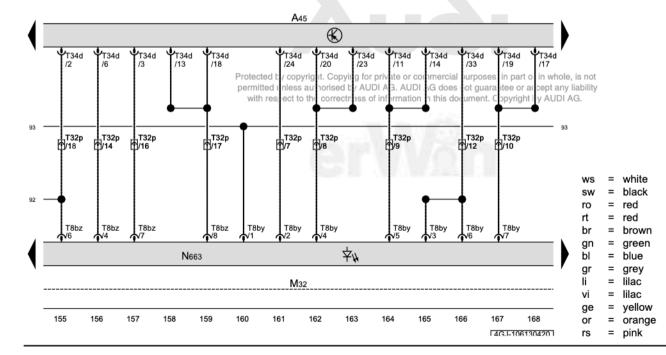
- A27 Right LED Headlamp Power Output Module 1 A45 Right Matrix Headlamp Power Output Module G704 Right Headlamp Temperature Sensor 1 G832 Left Headlamp Temperature Sensor 3 J519 Vehicle Electrical System Control Module MX2 Right Front Headlamp, On the Right Headlamp Right Low Beam Headlamp Bulb Right High Beam Headlamp Bulb Fuse Panel 1 SB6 Fuse 6 (On Fuse Panel B) SB12 Fuse 12 (On Fuse Panel B) T2gy 2-Pin Connector T2gz 2-Pin Connector T2rd 2-Pin Connector T3do 3-Pin Connector T4gg 4-Pin Connector, Black T4ha 4-Pin Connector T6cw 6-Pin Connector T8bz 8-Pin Connector T10bs 10-Pin Connector T14d 14-Pin Connector, Black
- permitted unless authorised by AUDI Act. AUERefer to Applicable Wiring Diagram for Fuse Positions
 - For RHD Vehicles

T32p 32-Pin Connector, Brown

T34a 34-Pin Connector



MX₂



Vehicle Electrical System Control Module, Right Front Headlamp

- A45 Right Matrix Headlamp Power Output Module
- J519 Vehicle Electrical System Control Module
- MX2 Right Front Headlamp, On the Right Headlamp
- M32 Right High Beam Headlamp Bulb
- N663 Current Coding Resistance 2 for Left Headlamp
- T8by 8-Pin Connector
- T8bz 8-Pin Connector
- T32p 32-Pin Connector, Brown
- T34d 34-Pin Connector

Vehicle Electrical System Control Module, Right Front Headlamp

A45 Right Matrix Headlamp Power Output Module J519 Vehicle Electrical System Control Module

MX2 Right Front Headlamp, On the Right Headlamp

M32 Right High Beam Headlamp Bulb

T8bw 8-Pin Connector

T8by 8-Pin Connector

T10bs 10-Pin Connector T10bt 10-Pin Connector

32-Pin Connector, Brown

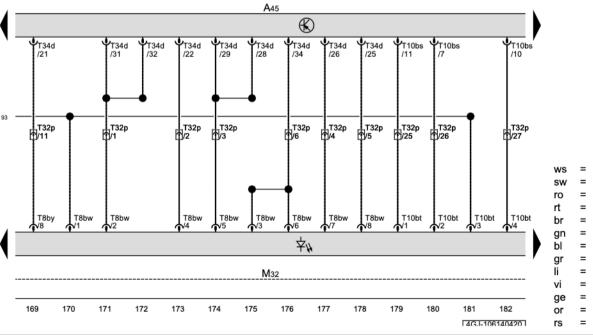
T34d 34-Pin Connector

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J519

(K)



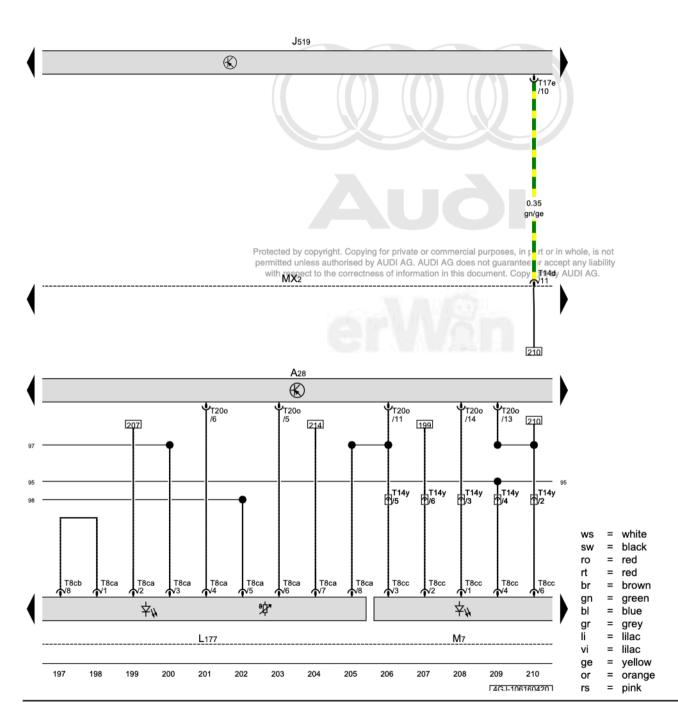
= white = black = red = red = brown = green = blue

= grey = lilac = lilac = yellow = orange

J519 **(K)** T17e T17e /12 212 1.0 0.75 bl/rt T14d √10 T14d MX₂ 192 T200 T20o A45 A28 **(K) (K) ∳**T34d /10 **∳**T34d /12 **Y**T34d /15 T34d **₽**T34d T34d **₽**T34d T20o /10 T20o /16 **₽**T20o T20o /15 192 T32p T32p /19 T32p 1/20 T32p Prote 122 by T32p T32p . 1/28/ing or private or commercial pur oses, in JDI AG. JUDI AG Joes not juaranted or accept any liability sed by A of information in this document. Copyright by / UDI AG. rrectness = white = black = red = red T10bt T10bt T10bt T10bt /9 T10bt T8cb T8cb /3 T8cb V4 T10bt T8cb T8cb T8cb = brown = green άγ 本″ = blue = grey = lilac M32 L177 = lilac = yellow 184 195 = orange or 4G.I-106150420 rs = pink

Vehicle Electrical System Control Module, Right Front Headlamp

- A28 Right LED Headlamp Power Output Module 2
 A45 Right Matrix Headlamp Power Output Module
 J519 Vehicle Electrical System Control Module
- J519 Vehicle Electrical System Control Module
 L177 Right Daytime Running Lamp and Position Lamp LED Module
- MX2 Right Front Headlamp, On the Right Headlamp
- M32 Right High Beam Headlamp Bulb
- T8cb 8-Pin Connector
- T10bt 10-Pin Connector
- T14d 14-Pin Connector, Black
- T17e 17-Pin Connector, Red
- T20o 20-Pin Connector
- T32p 32-Pin Connector, Brown
- T34d 34-Pin Connector



Vehicle Electrical System Control Module, Right Front Headlamp

- A28 Right LED Headlamp Power Output Module 2
- J519 Vehicle Electrical System Control Module
- L177 Right Daytime Running Lamp and Position Lamp LED Module
- MX2 Right Front Headlamp, On the Right Headlamp
- M7 Right Front Turn Signal Bulb
- T8ca 8-Pin Connector
- T8cb 8-Pin Connector
- T8cc 8-Pin Connector
- T14d 14-Pin Connector, Black
- T14y 14-Pin Connector
- T17e 17-Pin Connector, Red
- T20o 20-Pin Connector

212

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4G.I-106170420

Wiring Diagram

No. 106 / 17

Vehicle Electrical System Control Module, Right Front

A28 Right LED Headlamp Power Output Module 2

J519 Vehicle Electrical System Control Module

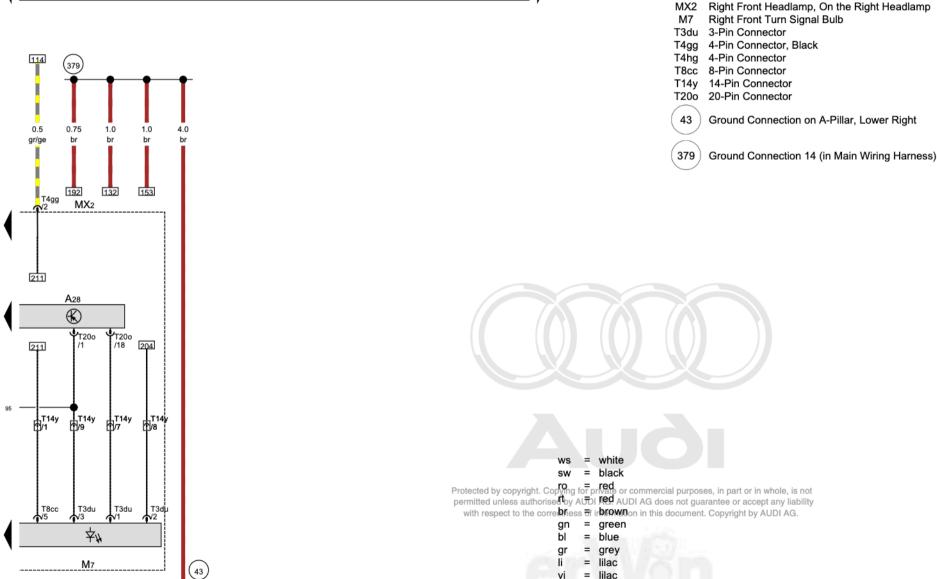
Headlamp

= yellow

= orange

= pink

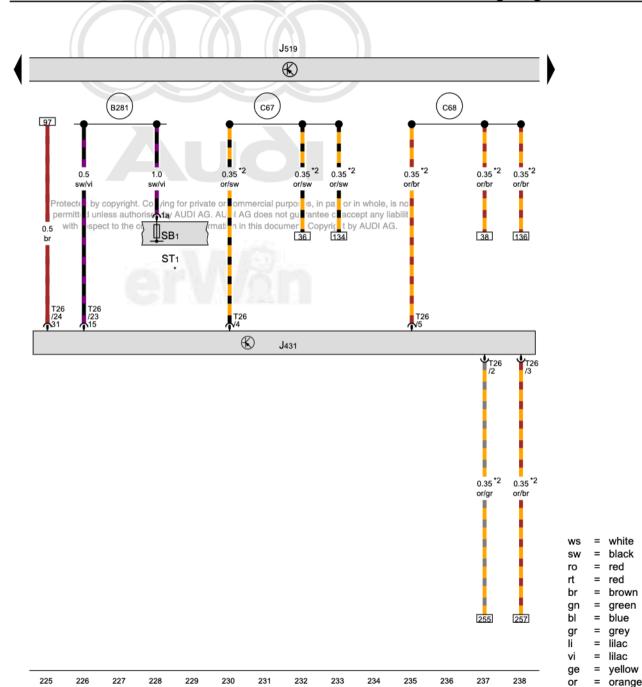




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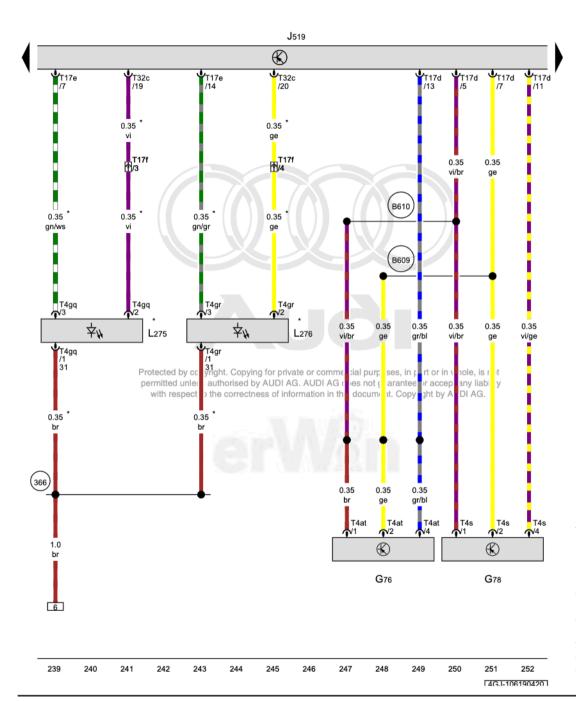
rs

= pink



Headlamp Range Control Module, Vehicle Electrical System Control Module

- J431 Headlamp Range Control Module
- J519 Vehicle Electrical System Control Module
- T1 Fuse Panel 1
- SB1 Fuse 1 (On Fuse Panel B)
- T26 26-Pin Connector
- (B281) Positive Connection 5 (15a) (in Main Wiring Harness)
- (C67) CAN Bus High Connection (in Headlamp Wiring Harness)
- C68 CAN Bus Low Connection (in Headlamp Wiring Harness)
- * Refer to Applicable Wiring Diagram for Fuse Positions
- *2 Data Bus Wire (CAN Bus)

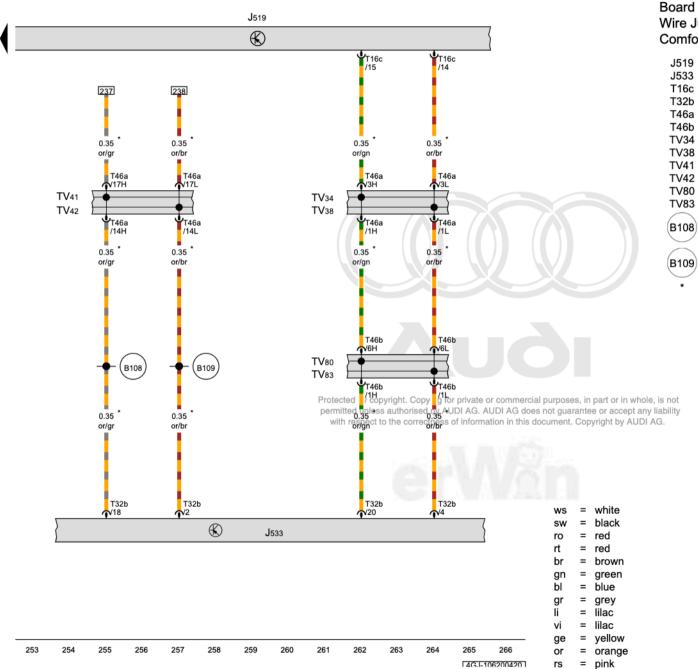


Left Rear Level Control System Sensor, Left Front Level Control System Sensor, Vehicle Electrical System Control Module, Left Signature Lighting Bulb, Right Signature Lighting Bulb

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G76 Left Rear Level Control System Sensor
G78 Left Front Level Control System Sensor
J519 Vehicle Electrical System Control Module
L275 Left Signature Lighting Bulb
L276 Right Signature Lighting Bulb
T4at 4-Pin Connector
T4gq 4-Pin Connector, Gray
T4gr 4-Pin Connector, Gray
T4s 4-Pin Connector
T17d 17-Pin Connector, Black
T17e 17-Pin Connector, Red
T17f 17-Pin Connector, In the Left A-Pillar Connector Station, White
T32c 32-Pin Connector
      Ground Connection 1 (in Main Wiring Harness)
      Connection 5 (in Interior Wiring Harness)
(B610)
      Connection 6 (in Interior Wiring Harness)
```

For Vehicles with Hybrid Drive

Wiring Diagram



Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface, Comfort System CAN Bus High Wire Junction, Extended CAN Bus High Wire Junction, Comfort System CAN Bus High Wire Junction 2

- J519 Vehicle Electrical System Control Module
- J533 Data Bus on Board Diagnostic Interface
- T16c 16-Pin Connector, Brown
- T32b 32-Pin Connector
- T46a 46-Pin Connector
- T46b 46-Pin Connector
- TV34 Comfort System CAN Bus High Wire Junction
- TV38 Comfort System CAN Bus Low Wire Junction
- TV41 Extended CAN Bus High Wire Junction
- TV42 Extended CAN Bus Low Wire Junction
- TV80 Comfort System CAN Bus High Wire Junction 2
- TV83 Comfort System CAN Bus Low Wire Junction 2
- B108 CAN Bus Extended High Connection 1 (in Main Wiring Harness)
- (B109) CAN Bus Extended Low Connection 1 (in Main Wiring Harness)
 - * Data Bus Wire (CAN Bus)